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NEWS 4 JUL 02 CHEMCATS accession numbers revised  
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NEWS 6 JUL 16 CAplus enhanced with French and German abstracts  
NEWS 7 JUL 18 CA/CAplus patent coverage enhanced  
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 9 JUL 30 USGENE now available on STN  
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NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition  
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NEWS 18 SEP 13 FORIS renamed to SOFIS  
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NEWS 23 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt  
NEWS 24 OCT 19 BEILSTEIN updated with new compounds  
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced  
NEWS 26 NOV 19 WPIX enhanced with XML display format  
NEWS 27 NOV 30 ICSD reloaded with enhancements  
NEWS 28 DEC 04 LINPADOCDB now available on STN  
  
NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.  
  
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FILE 'HOME' ENTERED AT 17:09:00 ON 10 DEC 2007

=> s imidopercarboxylic

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=> FIL HCAPPLUS

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SINCE FILE TOTAL

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FILE 'HCAPLUS' ENTERED AT 17:10:30 ON 10 DEC 2007

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FILE COVERS 1907 - 10 Dec 2007 VOL 147 ISS 25  
FILE LAST UPDATED: 7 Dec 2007 (20071207/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s imidopercarboxylic  
L1 5 IMIDOPERCARBOXYLIC

=> s l1 and alpha crystalline form  
1730426 ALPHA  
2474 ALPHAS  
1730534 ALPHA  
(ALPHA OR ALPHAS)  
81568 CRYSTALLINE  
257 CRYSTALLINES  
81803 CRYSTALLINE

(CRYSTALLINE OR CRYSTALLINES)

364704 CRYST

1801 CRYSTS

365972 CRYST

(CRYST OR CRYSTS)

393397 CRYSTALLINE

(CRYSTALLINE OR CRYST)

1675603 FORM

634981 FORMS

2157703 FORM

(FORM OR FORMS)

153 ALPHA CRYSTALLINE FORM

(ALPHA (W) CRYSTALLINE (W) FORM)

L2 0 L1 AND ALPHA CRYSTALLINE FORM

=> s l1 and alpha crystalline

1730426 ALPHA

2474 ALPHAS

1730534 ALPHA

(ALPHA OR ALPHAS)

81568 CRYSTALLINE

257 CRYSTALLINES

81803 CRYSTALLINE

(CRYSTALLINE OR CRYSTALLINES)

364704 CRYST

1801 CRYSTS

365972 CRYST

(CRYST OR CRYSTS)

393397 CRYSTALLINE

(CRYSTALLINE OR CRYST)

435 ALPHA CRYSTALLINE

(ALPHA (W) CRYSTALLINE)

L3 0 L1 AND ALPHA CRYSTALLINE

=> s l1 and crystalline

81568 CRYSTALLINE

257 CRYSTALLINES

81803 CRYSTALLINE

(CRYSTALLINE OR CRYSTALLINES)

364704 CRYST

1801 CRYSTS

365972 CRYST

(CRYST OR CRYSTS)

393397 CRYSTALLINE

(CRYSTALLINE OR CRYST)

L4 0 L1 AND CRYSTALLINE

=> s l1 and crystal

1349822 CRYSTAL

679282 CRYSTALS

1646784 CRYSTAL

(CRYSTAL OR CRYSTALS)

L5 1 L1 AND CRYSTAL

=> s l1 and alpha

1730426 ALPHA

2474 ALPHAS

1730534 ALPHA

(ALPHA OR ALPHAS)

L6 1 L1 AND ALPHA

=> s l1 and beta  
 1496636 BETA  
 232 BETAS  
 1496707 BETA  
 (BETA OR BETAS)  
 L7 1 L1 AND BETA

=> d l4 ibib abs hitstr tot  
 L4 HAS NO ANSWERS  
 L1 5 SEA FILE=HCAPLUS ABB=ON PLU=ON IMIDOPERCARBOXYLIC  
 L4 0 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 AND CRYSTALLINE

=> d 15 ibib abs hitstr tot

L5 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:1042379 HCAPLUS  
 DOCUMENT NUMBER: 143:328182  
 TITLE: Dilution process for imidopercarboxylic acids solution  
 INVENTOR(S): Bianchi, Ugo Piero; Garaffa, Roberto  
 PATENT ASSIGNEE(S): Solvay Solexis S.p.A., Italy  
 SOURCE: PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090544	A1	20050929	WO 2005-EP51172	20050315
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727887	A1	20061206	EP 2005-717046	20050315
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1930278	A	20070314	CN 2005-80008194	20050315
JP 2007529470	T	20071025	JP 2007-503341	20050315
PRIORITY APPLN. INFO.:			IT 2004-MI497	A 20040316
			WO 2005-EP51172	W 20050315

OTHER SOURCE(S): MARPAT 143:328182

AB A process for obtaining dilute aqueous solns. containing an amount of < 7% by weight,

expressed as a percentage by weight, of imidoalkanepercarboxylic acids, starting with concentrated aqueous compns. of the said peracids in the  $\beta$  form, the said concentrated compns. being obtained from the imidoalkanepercarboxylic acids in the  $\alpha$ - crystal form, comprises the following steps: (I) dilution of the concentrated aqueous composition of imidoalkanepercarboxylic

acids (C) with an aqueous solution (D) having a pH of between 2 and 5, in a (C):(D) proportion, expressed in parts by weight, of between 0.1:10 and 10:0.2, working at temps. of between 4° and 30°; (II) application to the dilute aqueous composition obtained in (I) of a shear force off at least 5000 s-1, until a constant dynamic viscosity is obtained; (III) dilution of the dilute aqueous composition treated in (II) to obtain an imidoalkanepercarboxylic acid concentration of < 7% by weight; (IV) optionally, final homogenization of the composition. Such dilute aqueous compns. are used in detergency applications, in disinfection applications, and are applied by means of dispersers (triggers).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 16 ibib abs hitstr tot

L6 ANSWER 1 OF 1 HCPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:1042379 HCPLUS *W/LL*  
 DOCUMENT NUMBER: 143:328182  
 TITLE: Dilution process for imidopercarboxylic acids solution  
 INVENTOR(S): Bianchi, Ugo Piero; Garaffa, Roberto  
 PATENT ASSIGNEE(S): Solvay solexis S.p.A., Italy  
 SOURCE: PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090544	A1	20050928	WO 2005-EP51172	20050315
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727887	A1	20061206	EP 2005-717046	20050315
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1930278	A	20070314	CN 2005-80008194	20050315
JP 2007529470	T	20071025	JP 2007-503341	20050315
PRIORITY APPLN. INFO.:			IT 2004-MI497	A 20040316
			WO 2005-EP51172	W 20050315

OTHER SOURCE(S): MARPAT 143:328182

AB A process for obtaining dilute aqueous solns. containing an amount of < 7% by weight,

expressed as a percentage by weight, of imidoalkanepercarboxylic acids, starting with concentrated aqueous compns. of the said peracids in the  $\beta$  form, the said concentrated compns. being obtained from the imidoalkanepercarboxylic acids in the  $\alpha$ -crystal form, comprises the following

steps: (I) dilution of the concentrated aqueous composition of imidoalkanepercarboxylic acids (C) with an aqueous solution (D) having a pH of between 2 and 5, in a (C):(D) proportion, expressed in parts by weight, of between 0.1:10 and 10:0.2, working at temps. of between 4° and 30°; (II) application to the dilute aqueous composition obtained in (I) of a shear force off at least 5000 s-1, until a constant dynamic viscosity is obtained; (III) dilution of the dilute aqueous composition treated in (II) to obtain an imidoalkanepercarboxylic acid concentration of < 7% by weight; (IV) optionally, final homogenization of the composition Such dilute aqueous compns. are used in detergency applications, in disinfection applications, and are applied by means of dispersers (triggers).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 17 ibib abs hitstr tot

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:1042379 HCAPLUS  
 DOCUMENT NUMBER: 143:328182  
 TITLE: Dilution process for imidopercarboxylic acids solution  
 INVENTOR(S): Bianchi, Ugo Piero; Garaffa, Roberto  
 PATENT ASSIGNEE(S): Solvay Solexis S.p.A., Italy  
 SOURCE: PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090544	A1	20050929	WO 2005-EP51172	20050315
W: AE, AG, AL, AM, AZ, AU, BZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727887	A1	20061206	EP 2005-717046	20050315
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1930278	A	20070314	CN 2005-80008194	20050315
JP 2007529470	T	20071025	JP 2007-503341	20050315
PRIORITY APPLN. INFO.:			IT 2004-MI497	A 20040316
			WO 2005-EP51172	W 20050315

OTHER SOURCE(S): MARPAT 143:328182

AB A process for obtaining dilute aqueous solns. containing an amount of < 7% by weight,

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. form, the said concentrated compns. being obtained from the imidoalkanepercarboxylic acids in the  $\alpha$ -crystal form, comprises the following steps: (I) dilution of the concentrated aqueous composition of imidoalkanepercarboxylic acids (C) with an aqueous solution (D) having a pH of between 2 and 5, in a (C):(D) proportion, expressed in parts by weight, of between 0.1:10 and 10:0.2, working at temps. of between 4° and 30°; (II) application to the dilute aqueous composition obtained in (I) of a shear force of at least 5000 s-1, until a constant dynamic viscosity is obtained; (III) dilution of the dilute aqueous composition treated in (II) to obtain an

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REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 ibib abs hitstr tot

L1 ANSWER 1 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:1042379 HCPLUS  
 DOCUMENT NUMBER: 143:328182  
 TITLE: Dilution process for imidopercarboxylic acids solution  
 INVENTOR(S): Bianchi, Ugo Piero; Garaffa, Roberto  
 PATENT ASSIGNEE(S): Solvay Solexis S.p.A., Italy  
 SOURCE: PCT Int Appl., 22 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090544	A1	20050929	WO 2005-EP51172	20050315
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727887	A1	20061206	EP 2005-717046	20050315
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1930278	A	20070314	CN 2005-80008194	20050315
JP 2007529470	T	20071025	JP 2007-503341	20050315
PRIORITY APPLN. INFO.:			IT 2004-MI497	A 20040316
			WO 2005-EP51172	W 20050315

OTHER SOURCE(S): MARPAT 143:328182

AB A process for obtaining dilute aqueous solns. containing an amount of < 7% by weight,

expressed as a percentage by weight, of imidoalkanepercarboxylic acids,

starting with concentrated aqueous compns. of the said peracids in the  $\beta$  form, the said concentrated compns. being obtained from the imidoalkanepercarboxylic acids in the  $\alpha$ -crystal form, comprises the following steps: (I) dilution of the concentrated aqueous composition of imidoalkanepercarboxylic acids (C) with an aqueous solution (D) having a pH of between 2 and 5, in a (C):(D) proportion, expressed in parts by weight, of between 0.1:10 and 10:0.2, working at temps. of between 4° and 30°; (II) application to the dilute aqueous composition obtained in (I) of a shear force off at least 5000 s-1, until a constant dynamic viscosity is obtained; (III) dilution of the dilute aqueous composition treated in (II) to obtain an imidoalkanepercarboxylic acid concentration of < 7% by weight; (IV) optionally, final homogenization of the composition. Such dilute aqueous compns. are used in detergency applications, in disinfection applications, and are applied by means of dispersers (triggers).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:1127241 HCPLUS  
 DOCUMENT NUMBER: 142:76602  
 TITLE: Manufacture of storage-stable percarboxylic acid-based polyelectrolyte capsule system  
 INVENTOR(S): Schmiedel, Peter; Buzzacchi, Matteo; Kaiser, Heribert; Von Rybinski, Wolfgang; Orlich, Bernhard  
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany  
 SOURCE: PCT Int. Appl., 67 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110613	A1	20041223	WO 2004-EP6169	20040608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10361170	A1	20050105	DE 2003-10361170	20031222
EP 1633471	A1	20060315	EP 2004-739697	20040608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007527930	T	20071004	JP 2006-515854	20040608
US 2006172909	A1	20060803	US 2005-303060	20051213
PRIORITY APPLN. INFO.:			DE 2003-10327127	A 20030613
			DE 2003-10361170	A 20031222
			WO 2004-EP6169	W 20040608

AB A multilayer capsule system containing organic percarboxylic acids, especially

imidopercarboxylic acids (e.g. 6-phthalimidoperoxycaproic acid), useful in liquid detergents and cleaners, dental care products, hair dyes, and decolorants or bleaching agents, is manufactured by depositing on percarboxylic acid particles  $\geq 2$  different shell layers each based on a polyelectrolyte and/or ionic surfactant. Thus, spraying 300 g Eureco W (72% 6-phthalimidoperoxycaproic acid) at 50° in a fluidized bed with 150 mL Luviquat Care (polycation) containing 1% Sequion 10H60, drying, spraying with 100 mL Sokalan CP 45 containing 1% Sequion 10H60 and repeating the procedure gave encapsulated particles (particle size 200-2000  $\mu\text{m}$ ) containing 61% active substance (6-phthalimidoperoxycaproic acid).

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:1127240 HCPLUS  
 DOCUMENT NUMBER: 142:76601  
 TITLE: Manufacture of storage-stable percarboxylic acid-based capsules  
 INVENTOR(S): Schmiedel, Peter; Kaiser, Heribert; Scholl, Elke; Von Rybinski, Wolfgang  
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany  
 SOURCE: PCT Int. Appl., 55 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110612	A1	20041223	WO 2004-EP6168	20040608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10361100	A1	20050105	DE 2003-10361100	20031222
EP 1633468	A1	20060315	EP 2004-736308	20040608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007527929	T	20071004	JP 2006-515853	20040608
US 2007032396	A1	20070208	US 2005-299166	20051209
PRIORITY APPLN. INFO.:				
			DE 2003-10327127	A 20030613
			DE 2003-10361100	A 20031222
			WO 2004-EP6168	W 20040608

AB A capsule system containing organic percarboxylic acids, especially imidopercarboxylic acids (e.g. 6-phthalimidoperoxycaproic acid), useful in liquid detergents and cleaners, dental care products, hair dyes, and decolorants or bleaching agents, is manufactured by depositing on percarboxylic acid particles  $\geq 1$  inorg. acid salt. Thus, spraying 800 g Eureco W (72% 6-phthalimidoperoxycaproic acid) with 800 g of 20% aqueous Na<sub>2</sub>SO<sub>4</sub> solution containing 1% Sequion 10H60 and separating particles <2.0 mm by sieving gave encapsulated bleach particles containing 70.5% active substance. The encapsulated particles were incorporated in a liquid detergent

formulation which was stored at 40° to show 99% and 95% bleach activity after 1 and 2 wk, resp., vs. 75% and 65% for similar composition containing unencapsulated Eureco W.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:1127239 HCAPLUS  
 DOCUMENT NUMBER: 142:76600  
 TITLE: Manufacture of gel capsules containing percarboxylic acid bleach  
 INVENTOR(S): Schmiedel, Peter; Barreleiro, Paula; Von Rybinski, Wolfgang; Orlich, Bernhard  
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany  
 SOURCE: PCT Int. Appl., 55 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 4  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110611	A1	20041223	WO 2004-EP6167	20040608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10361084	A1	20050105	DE 2003-10361084	20031222
EP 1633470	A1	20060315	EP 2004-739696	20040608
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2006527292	T	20061130	JP 2006-515852	20040608
US 2006178285	A1	20060810	US 2005-299795	20051212
PRIORITY APPLN. INFO.:			DE 2003-10327127	A 20030613
			DE 2003-10361084	A 20031222
			WO 2004-EP6167	W 20040608

AB Storage-stable gel capsules containing organic percarboxylic acids, especially imidopercarboxylic acids (e.g. 6-phthalimidoperoxyacrylic acid), useful especially in liquid detergents and cleaners, dental care products, hair dyes, and decolorants or bleaching compns. for tech. applications, were manufactured by incorporating solid percarboxylic acid particles in a gel matrix obtained by solidification and/or gelling of an oil phase m. <35°, e.g., a paraffin oil, glyceride, vegetable oil, etc., and containing a gel-forming agent and stabilizing agent, e.g., a block copolymer. For example, adding 2% Kraton G 1650 to low-viscosity paraffin oil at 70° with stirring gave a homogeneous solution which was cooled to 40°, 60% (based on paraffin oil + Kraton) of homogenized Eureco W (72% 6-phthalimidoperoxyacrylic acid) was added with stirring, the mixture was poured in 5 vols. of H2O with stirring, and cooled. The encapsulated 6-phthalimidoperoxyacrylic acid particles which settled at the bottom were separated and the fraction <1 mm incorporated (6%) in a liquid detergent composition

which was stored at 40° to give 100.0% and 99.2% active O content after 1 and 2 wk, resp., vs. 87.5 and 80.0% for similar detergent containing non-capsulated Eureco W.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1990:80000 HCPLUS  
 DOCUMENT NUMBER: 112:80000  
 TITLE: Bleaching agents comprising aromatic imide percarboxylic acids and their preparation and use  
 INVENTOR(S): Venturello, Carlo; Cavallotti, Claudio; Burzio, Fulvio  
 PATENT ASSIGNEE(S): Ausimont S.p.A., Italy  
 SOURCE: Eur. Pat. Appl., 11 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 325289	A1	19890726	EP 1989-101003	19890120
EP 325289	B1	19930901		
R: AT, BE, CH, DE, ES, FR, GB, LI, NL, SE				
AU 8928678	A	19890720	AU 1989-28678	19890120
AU 614322	B2	19910829		
JP 02001473	A	19900105	JP 1989-11742	19890120
JP 2786222	B2	19980813		
AT 93908	T	19930915	AT 1989-101003	19890120
ES 2058348	T3	19941101	ES 1989-101003	19890120
CA 1340680	C	19990727	CA 1989-588845	19890120
BR 8900265	A	19890919	BR 1989-265	19890123
US 5520844	A	19960528	US 1991-637479	19910104
US 5688434	A	19971118	US 1996-593655	19960129
PRIORITY APPN. INFO.:			IT 1988-19131	A 19880120
			US 1989-298918	B1 19890119
			EP 1989-101003	A 19890120
			US 1991-637479	A3 19910104

OTHER SOURCE(S): MARPAT 112:80000

AB Peroxy acids X(CHR)nCO2OH [X = (un)substituted phthalimido or naphthalenedicarboximido; each R = H, (un)substituted alkyl, OH, CO2H, CO2OH, CO2R1; R1 = C1-5 (un)substituted alkyl; n = 1-5], prepared by the reaction of H2O2 with the acid or anhydride in concentrated H2SO4 or MeSO3H or in an alkaline medium, are useful as bleaching agents, especially in the laundering

of fabrics at low temps. Phthalimidoacetic acid in MeSO3H was treated with H2O2 to give phthalimidoperacetic acid, which was used with a laundry detergent at 40° for the bleaching of cotton fabrics stained with red wine.

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	46.04	46.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.24	-6.24

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